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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/963,457	09/27/2001	Takamitsu Higuchi	110715	9551
	590 10/23/2002			
OLIFF & BERRIDGE, PLC			EXAMINER	
P.O. BOX 19928 ALEXANDRIA, VA 22320			DOUGHERTY,	THOMAS M
			ART UNIT	PAPER NUMBER
			2834	
		DATE MAILED: 10/23/2002		

Please find below and/or attached an Office communication concerning this application or proceeding.

Application	Mo.	Applicant(s)					
. •			11				
Office Action Summary Evapore		HIGUCHI ET AL.	W				
LAMINITE		Art Unit					
The MAILING DATE of this communication appears on the c		2834	roce -				
Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Estensions of time may be available under the provisions of 37 CPR 1.135(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than think; (30) days, within the statutory minimum of think; (30) days, with be considered timely. If the period for reply specified above is less than think; (30) days, within the statutory minimum of think; (30) days, with be considered timely. Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (55 U.S.C. § 133). Any reply received by the Office later than there months after the mailing date of his communication, even if timely filed, may reduce any seamed patent term adjustment. See 37 CFR 1.704(b).							
1)⊠ Responsive to communication(s) filed on 27 September 26	<u>001</u> .						
2a) ☐ This action is FINAL . 2b) ☑ This action is n	on-final.						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims	ayle, 1935 C.D. 11, 4	53 U.G. 213.					
4)⊠ Claim(s) <u>1-13</u> is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from consideration.							
5)⊠ Claim(s) <u>1-7</u> is/are allowed.							
6)⊠ Claim(s) <u>8-13</u> is/are rejected.	6)⊠ Claim(s) <u>8-13</u> is/are rejected.						
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and/or election req	quirement.						
Application Papers							
9)☐ The specification is objected to by the Examiner.							
10) The drawing(s) filed on 27 September 2001 is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner. If approved, corrected drawings are required in reply to this Office action.							
12) The oath or declaration is objected to by the Examiner.							
Priority under 35 U.S.C. §§ 119 and 120							
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).							
a)⊠ All b)□ Some * c)□ None of:							
1.⊠ Certified copies of the priority documents have been received.							
Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.							
14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).							
 a) ☐ The translation of the foreign language provisional application has been received. 15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121. 							
Attachment(s)							
Notice of References Cited (PTO-892) Notice of Drattsperson's Patent Drawing Review (PTO-948) Notice of Drattsperson's Patent Drawing Review (PTO-948) Notice of Drattsperson's Patent Drawing Review (PTO-1449) Notice of Drattsperson's Patent Drawing Review (PTO-1449) Notice of References Cited (PTO-1449) Notice of Drattsperson's Patent Drawing Review (PTO-1449)		r (PTO-413) Paper No(s) Patent Application (PTO-					

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DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 8-13 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claims 8 and 9, and by extension the claims which depend on them, cite "any one of the surface wave acoustic elements of claim 1".

There is no proper antecedent basis for citation of a plurality of these elements in claim

1. Claim 1 only notes "a surface acoustic wave element", which is singular.

Allowable Subject Matter

Claims 1-7 are allowed.

Claims 8-13 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: the prior art fails to show or fairly suggest a hard layer of $(Al_{1:X}M1_X)_2O_3$ where x is equal to or between 0 and 5 in a sapphire-piezoelectric structure.

Conclusion

The prior art cited shows the state of the art.

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Direct inquiry concerning this action to Examiner Dougherty at (703) 308-1628.

find tmd

October 17, 2002

Thomas M. Cougherty

THOMAS M. DOUGHERTY PRIMARY EXAMINER GROUP 2500 2800